CLAIMS

[1] An antireflection film comprising:

a transparent base material film and, provided on the transparent base material film in the following order,

an antistatic hardcoat layer comprising an antistatic agent and an ionizing radiation curing resin, the antistatic agent being selected from polymeric antistatic agents, crosslinking group-containing low-molecular antistatic agents, and electrically conductive antistatic agents, and

a low-refractive index layer having a lower refractive index than an underlying layer in direct contact with the low-refractive index layer, wherein

the absolute value of the difference in refractive index between the transparent base material film and the antistatic hardcoat layer is not more than 0.03, whereby the occurrence of interference fringes is prevented.

[2] An antireflection film comprising:

a transparent base material film and, provided on the transparent base material film in the following order,

an antistatic layer comprising an antistatic agent and a binder agent, the antistatic agent being selected from polymeric antistatic agents, crosslinking group-containing low-molecular antistatic agents, and electrically conductive antistatic agents,

a hardcoat layer comprising an ionizing radiation curing resin, and

a low-refractive index layer having a lower refractive index than an underlying layer in direct contact with the low-refractive index layer, wherein

both the difference in refractive index between the transparent base material film and the antistatic hardcoat layer, and the difference in refractive index between the antistatic layer and the hardocat layer being ± 0.03, whereby the occurrence of interference fringes is prevented.

[3] The antireflection film according to claim 1 or 2, wherein the polymeric antistatic agent is a molecule crosslinking group-containing compound.

[4] The antireflection film according to claim 1 or 2, wherein the polymeric antistatic agent is a quaternary ammonium cation-containing structure.

[5] The antireflection film according to any one of claims 1 to 4, wherein the difference in haze between before and after the antireflection film is placed in an environment of temperature 80°C and humidity 90% for 500 hr is not more than 3.